

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P297485

Luminaire Tested: **D3X-WO-42L92765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297485
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-42L92765-LD5-UNV-24-T1-W2A-6500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3999.0 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

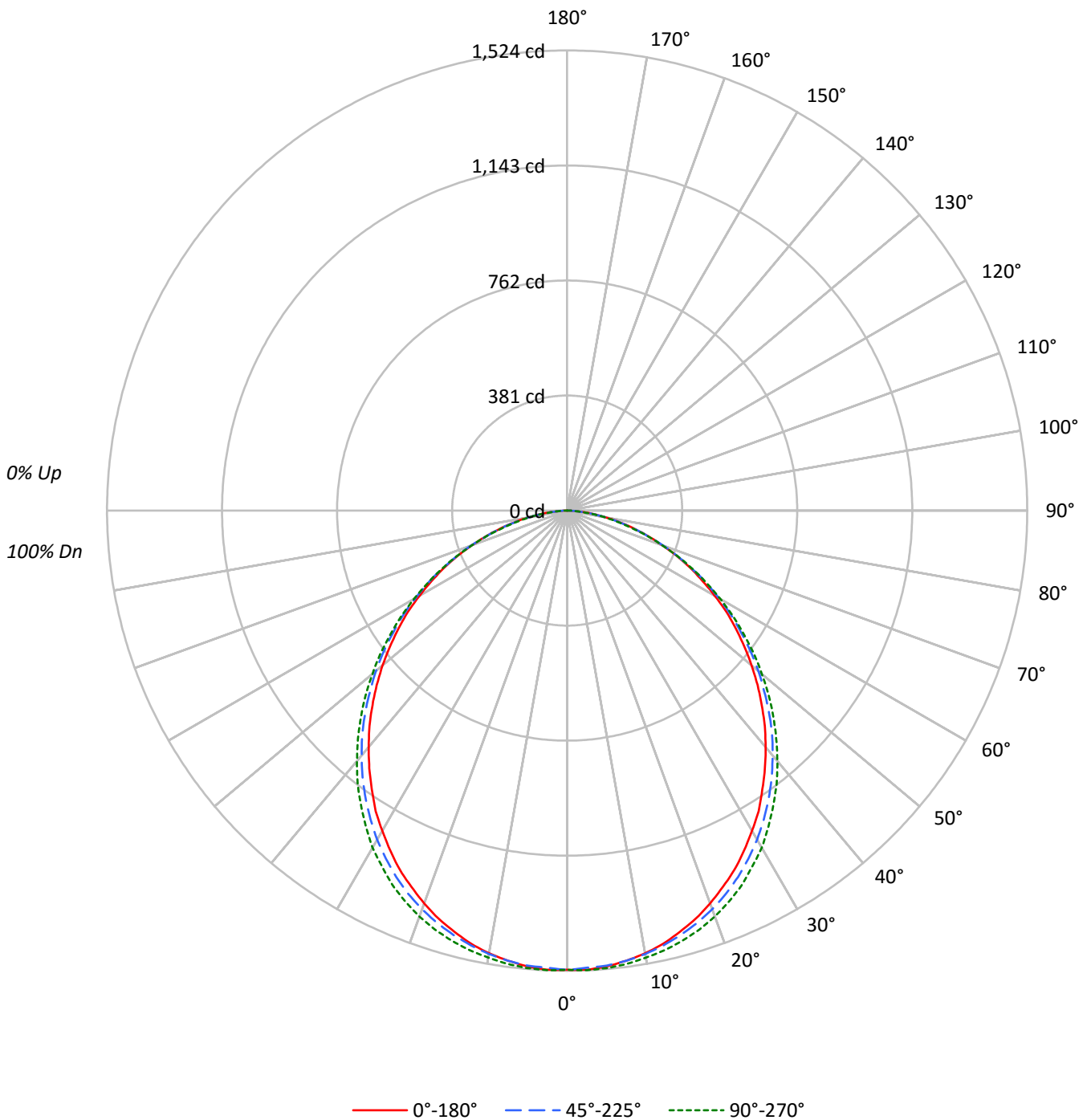
Input Watts (W): 30.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2046	2046	2046
5°	2047	2043	2054
10°	2034	2037	2054
15°	2012	2027	2055
20°	1983	2012	2048
25°	1948	1988	2032
30°	1902	1955	2003
35°	1852	1912	1956
40°	1796	1860	1902
45°	1735	1799	1838
50°	1669	1731	1762
55°	1599	1650	1675
60°	1519	1559	1577
65°	1432	1454	1463
70°	1314	1330	1314
75°	1184	1176	1142
80°	1002	992	960
85°	749	727	645



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.0	3.6
10°-20°	411.4	10.3
20°-30°	616.8	15.4
30°-40°	726.3	18.2
40°-50°	726.5	18.2
50°-60°	626.8	15.7
60°-70°	451.0	11.3
70°-80°	239.2	6.0
80°-90°	57.1	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1172.1	29.3
0°-40°	1898.4	47.5
0°-60°	3251.7	81.3
0°-90°	3999.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3999.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1521	1521	1521	1521	1521	
5°	1516	1514	1513	1518	1521	144
15°	1444	1448	1455	1470	1475	407
25°	1312	1320	1339	1362	1369	604
35°	1128	1141	1164	1184	1191	705
45°	912	924	946	962	966	704
55°	682	688	703	715	714	610
65°	450	451	457	459	459	445
75°	228	225	226	221	220	242
85°	48	48	47	43	42	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1520.9	1520.9	1520.9	1520.9	1520.9
2.5°	1522.2	1519.5	1515.5	1520.9	1523.6
5°	1515.5	1514.2	1512.8	1518.2	1520.9
7.5°	1503.4	1504.7	1503.4	1511.5	1514.2
10°	1488.6	1489.9	1491.3	1500.7	1503.4
12.5°	1469.7	1471.1	1475.1	1487.2	1491.3
15°	1444.1	1448.1	1454.9	1469.7	1475.1
17.5°	1417.2	1422.6	1432.0	1449.5	1454.9
20°	1384.8	1391.6	1405.0	1423.9	1430.6
22.5°	1348.5	1355.2	1374.1	1394.3	1401.0
25°	1312.1	1320.2	1339.0	1361.9	1368.7
27.5°	1269.0	1279.8	1300.0	1322.9	1328.3
30°	1224.5	1234.0	1258.2	1279.8	1289.2
32.5°	1180.1	1189.5	1212.4	1234.0	1240.7
35°	1127.5	1141.0	1163.9	1184.1	1190.9
37.5°	1076.3	1088.5	1112.7	1132.9	1139.7
40°	1022.5	1033.2	1058.8	1077.7	1083.1
42.5°	968.6	979.4	1004.9	1019.8	1025.2
45°	912.0	924.1	945.7	961.8	965.9
47.5°	855.4	864.8	885.1	899.9	905.3
50°	797.5	806.9	827.1	839.3	841.9
52.5°	739.6	746.3	765.2	775.9	780.0
55°	681.6	688.4	703.2	715.3	714.0
57.5°	626.4	629.1	643.9	652.0	652.0
60°	564.4	567.1	579.3	584.6	586.0
62.5°	506.5	510.6	520.0	521.3	521.3
65°	449.9	451.3	456.7	459.4	459.4
67.5°	393.4	392.0	397.4	397.4	396.1
70°	334.1	336.8	338.1	335.4	334.1
72.5°	280.2	278.9	278.9	277.5	277.5
75°	227.7	225.0	226.3	220.9	219.6
77.5°	179.2	175.1	173.8	171.1	168.4
80°	129.3	129.3	128.0	125.3	123.9
82.5°	86.2	86.2	84.9	82.2	79.5
85°	48.5	48.5	47.1	43.1	41.8
87.5°	16.2	16.2	16.2	16.2	16.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)